Refine Search

Search Results -

Terms	Documents
L40 and (reduc$3 near dimension$)	1

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L42

[▲] [▼] [Refine Search]

[Recall Text ⬍] [Clear] [Interrupt]

Search History

DATE: Thursday, April 26, 2007   **Purge Queries**   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L42	L40 and (reduc$3 near dimension$)	1	L42
L41	L40 and reduc$3	2	L41
L40	L39 and L4	7	L40
L39	L38 and (category or categories)	649	L39
L38	L7 and (("web site") or ("web-site") or (web near site))	1091	L38
L37	L35 and L7	6	L37
L36	L35 and L15	1	L36
L35	(L28 or L29 or L30 or L31 or L32 or L33 or L34) and L4	12	L35
L34	tarek near najm	28	L34
L33	ying near Li	399	L33
L32	Li.in.	98900	L32
L31	("wei-ying") near Ma	156	L31
L30	zheng near chen	175	L30

L29	("hua-jun") near zeng	68	L29
L28	benyu near zhang	65	L28
L27	L26 and (expand$3 with term)	16	L27
L26	L25 and expand$3	69	L26
L25	L24 and (category or categories)	149	L25
L24	L10 and L15	302	L24
L23	L22 not L9	8	L23
L22	L21 and L15	8	L22
L21	(L18 or L19 or L20) and L7	158	L21
L20	382/225.ccls.	304	L20
L19	382/220.ccls.	143	L19
L18	382/218.ccls.	1130	L18
L17	L16 and L6	1	L17
L16	L15 and L4	27	L16
L15	calculat$3 with confidence	5454	L15
L14	L13 and (calculat$3 with confidence)	0	L14
L13	L12 not L9	7	L13
L12	L11 and bid$	9	L12
L11	L10 and L8	102	L11
L10	707/$.ccls.	42873	L10
L9	L8 and L4	5	L9
L8	L6 and L7	307	L8
L7	(similarity or similarities) with measure$5	11794	L7
L6	(category or categories) with (similarity or similarities)	1281	L6
L5	L4 and L3	2	L5
L4	bid$4 near term	418	L4
L3	(("n-gram") or ("ngram") or ("bi-gram") or ("bigram")) with (similarity or similarities)	104	L3
L2	(verify$3 near relevance) with (bid$4 near term)	1	L2
L1	(verify$3 near relevance) with (bid$4 near URL)	1	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L35 and L7	6

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L37

[▲] [▼]

[Refine Search]

[Recall Text ⬍] [Clear] [Interrupt]

Search History

DATE: Thursday, April 26, 2007   **Purge Queries**   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L37	L35 and L7	6	L37
L36	L35 and L15	1	L36
L35	(L28 or L29 or L30 or L31 or L32 or L33 or L34) and L4	12	L35
L34	tarek near najm	28	L34
L33	ying near Li	399	L33·
L32	Li.in.	98900	L32
L31	("wei-ying") near Ma	156	L31
L30	zheng near chen	175	L30
L29	("hua-jun") near zeng	68	L29
L28	benyu near zhang	65	L28
L27	L26 and (expand$3 with term)	16	L27
L26	L25 and expand$3	69	L26
L25	L24 and (category or categories)	149	L25

L24	L10 and L15	302	L24
L23	L22 not L9	8	L23
L22	L21 and L15	8	L22
L21	(L18 or L19 or L20) and L7	158	L21
L20	382/225.ccls.	304	L20
L19	382/220.ccls.	143	L19
L18	382/218.ccls.	1130	L18
L17	L16 and L6	1	L17
L16	L15 and L4	27	L16
L15	calculat$3 with confidence	5454	L15
L14	L13 and (calculat$3 with confidence)	0	L14
L13	L12 not L9	7	L13
L12	L11 and bid$	9	L12
L11	L10 and L8	102	L11
L10	707/$.ccls.	42873	L10
L9	L8 and L4	5	L9
L8	L6 and L7	307	L8
L7	(similarity or similarities) with measure$5	11794	L7
L6	(category or categories) with (similarity or similarities)	1281	L6
L5	L4 and L3	2	L5
L4	bid$4 near term	418	L4
L3	(("n-gram") or ("ngram") or ("bi-gram") or ("bigram")) with (similarity or similarities)	104	L3
L2	(verify$3 near relevance) with (bid$4 near term)	1	L2
L1	(verify$3 near relevance) with (bid$4 near URL)	1	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L35 and L15	1

Database:
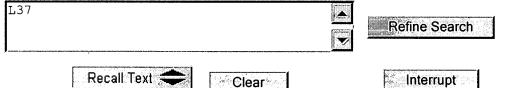
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L36

[Refine Search]

[Recall Text] [Clear] [Interrupt]

Search History

DATE: **Thursday, April 26, 2007**   **Purge Queries**   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L36	L35 and L15	1	L36
L35	(L28 or L29 or L30 or L31 or L32 or L33 or L34) and L4	12	L35
L34	tarek near najm	28	L34
L33	ying near Li	399	L33
L32	Li.in.	98900	L32
L31	("wei-ying") near Ma	156	L31
L30	zheng near chen	175	L30
L29	("hua-jun") near zeng	68	L29
L28	benyu near zhang	65	L28
L27	L26 and (expand$3 with term)	16	L27
L26	L25 and expand$3	69	L26
L25	L24 and (category or categories)	149	L25
L24	L10 and L15	302	L24

L23	L22 not L9	8	L23
L22	L21 and L15	8	L22
L21	(L18 or L19 or L20) and L7	158	L21
L20	382/225.ccls.	304	L20
L19	382/220.ccls.	143	L19
L18	382/218.ccls.	1130	L18
L17	L16 and L6	1	L17
L16	L15 and L4	27	L16
L15	calculat$3 with confidence	5454	L15
L14	L13 and (calculat$3 with confidence)	0	L14
L13	L12 not L9	7	L13
L12	L11 and bid$	9	L12
L11	L10 and L8	102	L11
L10	707/$.ccls.	42873	L10
L9	L8 and L4	5	L9
L8	L6 and L7	307	L8
L7	(similarity or similarities) with measure$5	11794	L7
L6	(category or categories) with (similarity or similarities)	1281	L6
L5	L4 and L3	2	L5
L4	bid$4 near term	418	L4
L3	(("n-gram") or ("ngram") or ("bi-gram") or ("bigram")) with (similarity or similarities)	104	L3
L2	(verify$3 near relevance) with (bid$4 near term)	1	L2
L1	(verify$3 near relevance) with (bid$4 near URL)	1	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

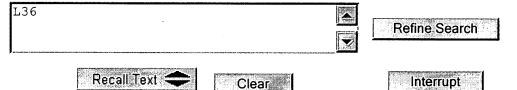| Terms	Documents
L26 and (expand$3 with term)	16

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L27

[Refine Search]

[Recall Text] [Clear] [Interrupt]

Search History

DATE:　Thursday, April 26, 2007　　**Purge Queries**　　Printable Copy　　Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L27	L26 and (expand$3 with term)	16	L27
L26	L25 and expand$3	69	L26
L25	L24 and (category or categories)	149	L25
L24	L10 and L15	302	L24
L23	L22 not L9	8	L23
L22	L21 and L15	8	L22
L21	(L18 or L19 or L20) and L7	158	L21
L20	382/225.ccls.	304	L20
L19	382/220.ccls.	143	L19
L18	382/218.ccls.	1130	L18
L17	L16 and L6	1	L17
L16	L15 and L4	27	L16
L15	calculat$3 with confidence	5454	L15

L14	L13 and (calculat$3 with confidence)	0	L14
L13	L12 not L9	7	L13
L12	L11 and bid$	9	L12
L11	L10 and L8	102	L11
L10	707/$.ccls.	42873	L10
L9	L8 and L4	5	L9
L8	L6 and L7	307	L8
L7	(similarity or similarities) with measure$5	11794	L7
L6	(category or categories) with (similarity or similarities)	1281	L6
L5	L4 and L3	2	L5
L4	bid$4 near term	418	L4
L3	(("n-gram") or ("ngram") or ("bi-gram") or ("bigram")) with (similarity or similarities)	104	L3
L2	(verify$3 near relevance) with (bid$4 near term)	1	L2
L1	(verify$3 near relevance) with (bid$4 near URL)	1	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L22 not L9	8

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
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Search: L23

Refine Search

Recall Text   Clear   Interrupt

Search History

DATE: **Thursday, April 26, 2007**   **Purge Queries**   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L23	L22 not L9	8	L23
L22	L21 and L15	8	L22
L21	(L18 or L19 or L20) and L7	158	L21
L20	382/225.ccls.	304	L20
L19	382/220.ccls.	143	L19
L18	382/218.ccls.	1130	L18
L17	L16 and L6	1	L17
L16	L15 and L4	27	L16
L15	calculat$3 with confidence	5454	L15
L14	L13 and (calculat$3 with confidence)	0	L14
L13	L12 not L9	7	L13
L12	L11 and bid$	9	L12
L11	L10 and L8	102	L11

L10	707/$.ccls.	42873	L10
L9	L8 and L4	5	L9
L8	L6 and L7	307	L8
L7	(similarity or similarities) with measure$5	11794	L7
L6	(category or categories) with (similarity or similarities)	1281	L6
L5	L4 and L3	2	L5
L4	bid$4 near term	418	L4
L3	(("n-gram") or ("ngram") or ("bi-gram") or ("bigram")) with (similarity or similarities)	104	L3
L2	(verify$3 near relevance) with (bid$4 near term)	1	L2
L1	(verify$3 near relevance) with (bid$4 near URL)	1	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L16 and L6	1

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
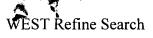IBM Technical Disclosure Bulletins

Search:
L17

[Refine Search]

[Recall Text]   [Clear]   [Interrupt]

Search History

DATE: Thursday, April 26, 2007   **Purge Queries**   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L17	L16 and L6	1	L17
L16	L15 and L4	27	L16
L15	calculat$3 with confidence	5454	L15
L14	L13 and (calculat$3 with confidence)	0	L14
L13	L12 not L9	7	L13
L12	L11 and bid$	9	L12
L11	L10 and L8	102	L11
L10	707/$.ccls.	42873	L10
L9	L8 and L4	5	L9
L8	L6 and L7	307	L8
L7	(similarity or similarities) with measure$5	11794	L7
L6	(category or categories) with (similarity or similarities)	1281	L6
L5	L4 and L3	2	L5

L4	bid$4 near term	418	L4
L3	(("n-gram") or ("ngram") or ("bi-gram") or ("bigram")) with (similarity or similarities)	104	L3
L2	(verify$3 near relevance) with (bid$4 near term)	1	L2
L1	(verify$3 near relevance) with (bid$4 near URL)	1	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L13 and (calculat$3 with confidence)	0

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
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Search: L14

Refine Search

Recall Text   Clear   Interrupt

Search History

DATE: Thursday, April 26, 2007   **Purge Queries**   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L14	L13 and (calculat$3 with confidence)	0	L14
L13	L12 not L9	7	L13
L12	L11 and bid$	9	L12
L11	L10 and L8	102	L11
L10	707/$.ccls.	42873	L10
L9	L8 and L4	5	L9
L8	L6 and L7	307	L8
L7	(similarity or similarities) with measure$5	11794	L7
L6	(category or categories) with (similarity or similarities)	1281	L6
L5	L4 and L3	2	L5
L4	bid$4 near term	418	L4
L3	(("n-gram") or ("ngram") or ("bi-gram") or ("bigram")) with (similarity or similarities)	104	L3

| L2 | (verify$3 near relevance) with (bid$4 near term) | 1 | L2 |
| L1 | (verify$3 near relevance) with (bid$4 near URL) | 1 | L1 |

END OF SEARCH HISTORY

P❋RTAL

USPTO

Search: ◉ The ACM Digital Library   ○ The Guide

"system verifying relevance" + "bidding URL" + "term vectors"   **SEARCH**

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Terms used **system verifying relevance bidding URL term vectors calculating similarity reducing dimensionality categorizing model**

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Results 1 - 4 of 4

Relevance scale ☐ ⬓ ⬒ ◨ ■

1   Posters P-2: Calculating similarity between texts using graph-based text representation model   ☐

Junji Tomita, Hidekazu Nakawatase, Megumi Ishii
November 2004 **Proceedings of the thirteenth ACM international conference on Information and knowledge management CIKM '04**
Publisher: ACM Press
Full text available: 📄 pdf(82.79 KB)   Additional Information: full citation, abstract, references, index terms

Knowledge discovery from a large volumes of texts usually requires many complex analysis steps. The graph-based text representation model has been proposed to simplify the steps. The model represents texts in a formal manner, Subject Graphs, and provides text handling operations whose inputs and outputs are identical in form, i.e. a set of subject graphs, so they can be combined in any order. A subject graph uses node weight to represent the significance of each term, and link weight to repre ...

Keywords: similarity calculation, subject graphs

2   Poster session: Parallelizing the buckshot algorithm for efficient document clustering   ☐

Eric C. Jensen, Steven M. Beitzel, Angelo J. Pilotto, Nazli Goharian, Ophir Frieder
November 2002 **Proceedings of the eleventh international conference on Information and knowledge management CIKM '02**
Publisher: ACM Press
Full text available: 📄 pdf(86.54 KB)   Additional Information: full citation, abstract, references, citings

We present a parallel implementation of the Buckshot document clustering algorithm. We demonstrate that this parallel approach is highly efficient both in terms of load balancing and minimization of communication. In a series of experiments using the 2GB of SGML data from TReC disks 4 and 5, our parallel approach was shown to be scalable in terms of processors efficiently used and the number of clusters created.

3   The automatic generation of extended queries   ☐

C. J. Crouch, D. B. Crouch, K. R. Nareddy
December 1989 **Proceedings of the 13th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '90**
Publisher: ACM Press

Full text available: 🗎 pdf(1.09 MB)   Additional Information: full citation, abstract, references, citings, index terms

In the extended vector space model, each document vector consists of a set of subvectors representing the multiple concepts or concept classes present in the document. Typical information concepts, in addition to the usual content terms or descriptors, include author names, bibliographic links, etc. The extended vector space model is known to improve retrieval effectiveness. However, a major impediment to the use of the extended model is the construction of an extended quer ...

4 Latent semantic space: iterative scaling improves precision of inter-document similarity measurement
◈
Rie Kubota Ando
July 2000 **Proceedings of the 23rd annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '00**
Publisher: ACM Press

Full text available: 🗎 pdf(903.29 KB)   Additional Information: full citation, abstract, references, citings, index terms

We present a novel algorithm that creates document vectors with reduced dimensionality. This work was motivated by an application characterizing relationships among documents in a collection. Our algorithm yielded inter-document similarities with an *average precision* up to 17.8% higher than that of singular value decomposition (SVD) used for Latent Semantic Indexing. The best performance was achieved with dimensional reduction rates that were 43% higher than SVD on average. Our algorit ...

Results 1 - 4 of 4

PORTAL
USPTO

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Feedback Report a problem Satisfaction
survey

Terms used **verifying relevance** **bidding URL** **term
vectors** **calculating similarity** **reducing
dimensionality** **categorizing** **model**

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Results 1 - 4 of 4

Relevance scale ☐ ▢ ▣ ▩ ■

**1   Posters P-2: Calculating similarity between texts using graph-based text
representation model**   ☐
Junji Tomita, Hidekazu Nakawatase, Megumi Ishii
November 2004 **Proceedings of the thirteenth ACM international conference on
Information and knowledge management CIKM '04**
Publisher: ACM Press
Full text available: 📄 pdf(82.79 KB)   Additional Information: full citation, abstract, references, index terms

Knowledge discovery from a large volumes of texts usually requires many complex
analysis steps. The graph-based text representation model has been proposed to simplify
the steps. The model represents texts in a formal manner, Subject Graphs, and provides
text handling operations whose inputs and outputs are identical in form, i.e. a set of
subject graphs, so they can be combined in any order. A subject graph uses node weight
to represent the significance of each term, and link weight to repre ...

Keywords: similarity calculation, subject graphs

2   Poster session: Parallelizing the buckshot algorithm for efficient document clustering   ☐
Eric C. Jensen, Steven M. Beitzel, Angelo J. Pilotto, Nazli Goharian, Ophir Frieder
November 2002 **Proceedings of the eleventh international conference on Information
and knowledge management CIKM '02**
Publisher: ACM Press
Full text available: 📄 pdf(86.54 KB)   Additional Information: full citation, abstract, references, citings

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demonstrate that this parallel approach is highly efficient both in terms of load balancing
and minimization of communication. In a series of experiments using the 2GB of SGML
data from TReC disks 4 and 5, our parallel approach was shown to be scalable in terms of
processors efficiently used and the number of clusters created.

3   The automatic generation of extended queries   ☐
C. J. Crouch, D. B. Crouch, K. R. Nareddy
December 1989 **Proceedings of the 13th annual international ACM SIGIR conference
on Research and development in information retrieval SIGIR '90**
Publisher: ACM Press

Full text available: 📄 pdf(1.09 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

In the extended vector space model, each document vector consists of a set of subvectors representing the multiple concepts or concept classes present in the document. Typical information concepts, in addition to the usual content terms or descriptors, include author names, bibliographic links, etc. The extended vector space model is known to improve retrieval effectiveness. However, a major impediment to the use of the extended model is the construction of an extended quer ...

4 <u>Latent semantic space: iterative scaling improves precision of inter-document similarity measurement</u>

Rie Kubota Ando

July 2000 **Proceedings of the 23rd annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '00**

Publisher: ACM Press

Full text available: 📄 pdf(903.29 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

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Results 1 - 4 of 4

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P⊙RTAL
USPTO

Search: ◉ The ACM Digital Library   ○ The Guide

"verifying relevance" + "bid URL" + "term vectors" + "calculati   **SEARCH**

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▮◄ Feedback Report a problem Satisfaction survey

Terms used **verifying relevance bid URL term vectors calculating similarity reducing dimensionality categorizing model**

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Results 1 - 4 of 4

Relevance scale ☐ ◲ ◲ ◼ ◼

1 Posters P-2: Calculating similarity between texts using graph-based text representation model   ☐
Junji Tomita, Hidekazu Nakawatase, Megumi Ishii
November 2004 **Proceedings of the thirteenth ACM international conference on Information and knowledge management CIKM '04**
Publisher: ACM Press
Full text available: ▣ pdf(82.79 KB)   Additional Information: full citation, abstract, references, index terms

Knowledge discovery from a large volumes of texts usually requires many complex analysis steps. The graph-based text representation model has been proposed to simplify the steps. The model represents texts in a formal manner, Subject Graphs, and provides text handling operations whose inputs and outputs are identical in form, i.e. a set of subject graphs, so they can be combined in any order. A subject graph uses node weight to represent the significance of each term, and link weight to repre ...

Keywords: similarity calculation, subject graphs

2 Poster session: Parallelizing the buckshot algorithm for efficient document clustering   ☐
Eric C. Jensen, Steven M. Beitzel, Angelo J. Pilotto, Nazli Goharian, Ophir Frieder
November 2002 **Proceedings of the eleventh international conference on Information and knowledge management CIKM '02**
Publisher: ACM Press
Full text available: ▣ pdf(86.54 KB)   Additional Information: full citation, abstract, references, citings

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3 The automatic generation of extended queries   ☐
C. J. Crouch, D. B. Crouch, K. R. Nareddy
December 1989 **Proceedings of the 13th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '90**
Publisher: ACM Press

Full text available: pdf(1.09 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

In the extended vector space model, each document vector consists of a set of subvectors representing the multiple concepts or concept classes present in the document. Typical information concepts, in addition to the usual content terms or descriptors, include author names, bibliographic links, etc. The extended vector space model is known to improve retrieval effectiveness. However, a major impediment to the use of the extended model is the construction of an extended quer ...

4 <u>Latent semantic space: iterative scaling improves precision of inter-document similarity measurement</u>

Rie Kubota Ando
July 2000 **Proceedings of the 23rd annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '00**
Publisher: ACM Press

Full text available: pdf(903.29 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

We present a novel algorithm that creates document vectors with reduced dimensionality. This work was motivated by an application characterizing relationships among documents in a collection. Our algorithm yielded inter-document similarities with an *average precision* up to 17.8% higher than that of singular value decomposition (SVD) used for Latent Semantic Indexing. The best performance was achieved with dimensional reduction rates that were 43% higher than SVD on average. Our algorit ...

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Zvika Marx, Ido Dagan, Joachim M. Buhmann, Eli Shamir
March 2003 **The Journal of Machine Learning Research**, Volume 3
Publisher: MIT Press
Full text available: 📄 pdf(967.15 KB)   Additional Information: full citation, abstract, citings, index terms

> This paper proposes a new paradigm and a computational framework for revealing
> equivalencies (analogies) between sub-structures of distinct composite systems that are
> initially represented by unstructured data sets. For this purpose, we introduce and
> investigate a variant of traditional data clustering, termed *coupled clustering*, which
> outputs a configuration of corresponding subsets of two such representative sets. We
> apply our method to synthetic as well as textual data. Its achievement ...

2   Scaling distributional similarity to large corpora   ☐
James Gorman, James R. Curran
July 2006 **Proceedings of the 21st International Conference on Computational Linguistics and the 44th annual meeting of the ACL ACL '06**
Publisher: Association for Computational Linguistics
Full text available: 📄 pdf(163.22 KB)   Additional Information: full citation, abstract, references

> Accurately representing synonymy using distributional similarity requires large volumes of
> data to reliably represent infrequent words. However, the naïve nearest-neighbour
> approach to comparing context vectors extracted from large corpora scales poorly ($O(n^2)$
> in the vocabulary size).In this paper, we compare several existing approaches to
> approximating the nearest-neighbour search for distributional similarity. We investigate
> the trade-off between efficiency and ac ...

3   Probabilistic latent semantic indexing   ☐
◈ Thomas Hofmann
August 1999 **Proceedings of the 22nd annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '99**
Publisher: ACM Press
Full text available: 📄 pdf(218.86 KB)   Additional Information: full citation, references, citings, index terms

4 <u>DASMAS: dialogue based automation of semantic interoperability in multi agent systems</u>

Bhavna Orgun, Mark Dras, Steve Cassidy, Abhaya Nayak

November 2005 **Proceedings of the 2005 Australasian Ontology Workshop - Volume 58 AOW '05**

Publisher: Australian Computer Society, Inc.

Full text available: 📄 <u>pdf(111.46 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

This paper presents our ongoing effort on developing a dialogue based framework for resolving semantic interoperability in multi agent systems. Our approach is characterized by: (1) multi agent systems that have real world heterogeneous ontologies; (2) the resolution of semantic differences at run-time through an adapted ontology negotiation protocol (ONP); and (3) the use of the Word Net lexicon in the resolution process.

Keywords: interoperability, multi agent systems, ontology

5 <u>Semantic-based resource discovery, retrieval and composition (RDRC): Efficient query routing for information retrieval in semantic overlays</u>

Hai Jin, Xiaomin Ning, Hanhua Chen, Zuoning Yin

April 2006 **Proceedings of the 2006 ACM symposium on Applied computing SAC '06**

Publisher: ACM Press

Full text available: 📄 <u>pdf(167.04 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

A fundamental problem in peer-to-peer networks is how to locate appropriate peers efficiently to answer a specific query request. This paper proposes a model in which semantically similar peers form a semantic overlay network and a query can be routed or forwarded to appropriate peers instead of broadcasting or random selection. We apply *Latent Semantic Indexing* (LSI) in information retrieval to reveal semantic subspaces of feature spaces from documents stored on peers. After producing se ...

Keywords: information retrieval, query routing, semantic overlay

6 <u>F3MCNN: a fuzzy minimum mean maximum clustering neural network</u>

Liangtsan G. Wu, Huizhu Lu

March 2000 **Proceedings of the 2000 ACM symposium on Applied computing - Volume 1 SAC '00**

Publisher: ACM Press

Full text available: 📄 <u>pdf(399.52 KB)</u>   Additional Information: <u>full citation</u>, <u>references</u>, <u>index terms</u>

Keywords: ART, F3MCNN, clustering, fuzzy logic, neural network

7 <u>Incorporating contextual information in recommender systems using a multidimensional approach</u>

Gediminas Adomavicius, Ramesh Sankaranarayanan, Shahana Sen, Alexander Tuzhilin

January 2005 **ACM Transactions on Information Systems (TOIS)**, Volume 23 Issue 1

Publisher: ACM Press

Full text available: 📄 <u>pdf(423.91 KB)</u>   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

The article presents a multidimensional (MD) approach to recommender systems that can provide recommendations based on additional contextual information besides the typical information on users and items used in most of the current recommender systems. This

approach supports multiple dimensions, profiling information, and hierarchical aggregation of recommendations. The article also presents a multidimensional rating estimation method capable of selecting two-dimensional segments of ratings pert ...

Keywords: Recommender systems, collaborative filtering, context-aware recommender systems, multidimensional data models, multidimensional recommender systems, personalization, rating estimation

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8 DB-4 (databases): similarity search: Distance-function design and fusion for sequence data

Yi Wu, Edward Y. Chang

November 2004 **Proceedings of the thirteenth ACM international conference on Information and knowledge management CIKM '04**

Publisher: ACM Press

Full text available: pdf(183.71 KB)   Additional Information: full citation, abstract, references, citings, index terms

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Keywords: multiple-view representation, representation-to-semantics mapping, sequence-data mining, sequence-data representation, super-kernel fusion

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July 2006   **Proceedings of the 21st International Conference on Computational Linguistics and the 44th annual meeting of the ACL ACL '06**
Publisher: Association for Computational Linguistics
Full text available: 📄 pdf(163.22 KB)   Additional Information: full citation, abstract, references

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November 2005   **Proceedings of the 2005 Australasian Ontology Workshop - Volume 58 AOW '05**
Publisher: Australian Computer Society, Inc.
Full text available: 📄 pdf(111.46 KB)   Additional Information: full citation, abstract, references, index terms

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3   Semantic-based resource discovery, retrieval and composition (RDRC): Efficient query routing for information retrieval in semantic overlays   ☐
Hai Jin, Xiaomin Ning, Hanhua Chen, Zuoning Yin
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James Gorman, James R. Curran
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